CLAIMS

1. Procedure for implementing an application and eliminating uncontrolled internal interdependencies within the application, in which the application comprises a number of functional assemblies and a functional assembly comprises one or more elements, said element comprising an industrial procedure, device, software solution and/or process, said application producing output data from input data so that the element output data obtained from the elements determine the output data of the functional assemblies, said output data of functional assemblies determining the output data of the application, wherein there are interdependencies formed between elements and/or functional assemblies, c h a r a c t e r i s e d in that the element is normalised so that uncontrolled internal interdependencies within the element are eliminated and the input data supplied to the element unambiguously and alone determines the output data produced by the element.

2. Procedure as defined in claim 1, c h a r a c t e r i s e d in that the functional assembly comprises one or more normalised elements, which determine the output data of the functional assembly.

3. Procedure as defined in any one of claims 1 or 2, c h a r a c t e r i s e d in that there are one or more functional assemblies and the functional assembly is normalised.

4. Procedure as defined in any one of claims 1 - 3, c h a r a c t e r i s e d in that the normalised functional assembly is a normalised element.

5. Procedure as defined in any one of claims 1 - 4, c h a r a c t e r i s e d in that the application consists of one or more normalised functional assemblies, which unambiguously and alone determine the output data of the application.

6. Procedure as defined in ~~any one of~~ claims 1 ~~5,~~ c h a r a c t e r i s e d in that the functional assembly consists of one or more normalised elements according to union, projection and/or selection, where union joins two or more elements in parallel, projection selects one or more of the output data items of the element, and selection specifies the output data on the basis of the input data of the set.

7. Procedure as defined in ~~any one of~~ claims 1 ~~6,~~ c h a r a c t e r i s e d in that normalised elements are executed in cascade, so that the output data of one element forms the input data of another element and/or the output data of one element affects the input data of another element.

8. Procedure as defined in ~~any one of~~ claims 1 ~~7,~~ c h a r a c t e r i s e d in that normalised elements are executed conditionally, so that when a second normalised element produces predetermined output data, input data for a first normalised element is determined, otherwise no input data for the first element is determined.

9. Procedure as defined in ~~any one of~~ claims 1 ~~8,~~ c h a r a c t e r i s e d in that the normalised element can be executed repeatedly, the number of repeated executions of a first element being determined by the output data of a second element.

10. Procedure as defined in ~~any one~~ of claims 1 ~~9,~~ c h a r a c t e r i s e d in that the application is a telephone exchange software application in a mobile communication system.

11. System for implementing an application and eliminating uncontrolled internal interdependencies within the application, wherein the application comprises a number of functional assemblies and the functional assembly comprises one or more elements, the element comprising an industrial procedure, device, software application and/or process and produc-

ing output data from input data so that the output
data processed in the elements determines the output
data of the functional assemblies, the output data of
the functional assemblies determining the output data
of the application, and in which system there are in-
terdependencies formed between elements and/or func-
tional assemblies, c h a r a c t e r i s e d in that the
system comprises means (13) for normalising (5b) one
or more elements (17) so that uncontrolled internal
interdependencies within the element (5b) are elimi-
nated and the input data supplied to the element (5b)
unambiguously and alone determines its output data.

12. System as defined in claim 11, c h a r -
a c t e r i s e d in that the system comprises means
(14) for forming one or more functional assemblies
(4a) so that the functional assembly (4a) comprises
one or more normalised elements (5b).

13. System as defined in claim 11 or 12,
c h a r a c t e r i s e d in that the system comprises
means (15) for normalisation (4b) of the functional
assembly (4a).

14. System as defined in claim 11 13,
c h a r a c t e r i s e d in that the system comprises
means (16) which treat the normalised functional as-
sembly (4b) like a normalised element (5b).

15. System as defined in claim 11 14,
c h a r a c t e r i s e d in that the system comprises
means (16) for forming an application (1) so that the
application (1) consists of one or more normalised
functional assemblies (4b), which unambiguously and
alone determine the output data of the application.

16. System as defined in any one of claims 11
15, c h a r a c t e r i s e d in that the system com-
prises means (14) for forming a functional assembly
(4a) from one or more normalised elements (5b) accord-
ing to union, projection and/or selection, where union
joins two or more elements in parallel, projection se-

lects one or more of element output data items, and selection specifies the output data of the element on the basis of the input data of the set.

17. System as defined in ~~any one of~~ claims 11

5 ~~— 16,~~ c h a r a c t e r i s e d in that the system comprises means (14) for forming a functional assembly (4a) from one or more normalised elements (5b) so that elements can be executed in cascade and the output data of one element forms the input data for another

10 element and/or the output data of one element affects the input data of another element.

18. System as defined in ~~any one of~~ claims 11

~~— 17,~~ c h a r a c t e r i s e d ~~in~~ that the system comprises means (14) for forming a functional assembly

15 (4a) from one or more normalised elements (5b) so that normalised elements can be executed conditionally, in which case, when a second normalised element produces predetermined output data, input data for a first normalised element is determined, otherwise no input data

20 for the first element is determined.

19. System as defined in ~~any one of~~ claims 11

~~— 18,~~ c h a r a c t e r i s e d in that the system comprises means (14) for forming a functional assembly from one or more normalised elements (5b) so that ele-

25 ments can be executed repeatedly, the number of executions of a first element being determined by the output data of a second element.